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Pingree Heirs

Phillips Library

from

towards

K.	Course	Winds	L. W.	Remarks.						
				Dep.	Lat. by D. R.	Lat.	Varia.	Diff. Long.	Long. in	Long. by Obs.
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to me older from the same
to me

147. *Calystegia soldanella* L. (Vine Bindweed)

H. a.	K.	H.K.	Course.	W.	Revol.	Alt. or day	31st 1861
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Lat. by Ob.	Varia.	Diff. Long	Long. ob.	Long by Ob.
62.9350	10	10	62.9350	62.9350

H.	K.	H.K.	Courses.	Winds.	L.W.	Re	Remarks	Tuesday	Wednesday	Thursday	Friday	
Course.	Dist.	Diff. Lat.	Dep.					Latitude	Latitude	Varia.	Diff. Long.	Long. in + Long.
1	2	1	SE	SE								
2	1	1	SW	SW								
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4	1	1	SW	SW								
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1	2	10	SW	SW								
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10	2	1	SW	SW								
11	2	1	SW	SW								
12	2	1	SW	SW								
			SW	SW								
Course.	Dist.	Diff. Lat.	Dep.					Latitude	Latitude	Varia.	Diff. Long.	Long. in + Long.
818°	31	120°	10					818°	818°	Varia.	120°	77° 00' 00"

193 F. ex Street, Salem,
Mass., U. S. A.

E	K.	H.K.	Cour	inds.	L.W.	Remarks	Wednesday	841
1				1 \$80	150		Cost of the fish heads and the drift	150
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Course	Dist.	Diff. Lat.	Dep.	Course	Dist.	Diff. Lat.	Dep.
332	91	100	11	111	693	100	10

Course.	Dist.	Diff. Lat.	Lat. by T	Lat. by Ob.	Varia.
S 50° E	141	1° 31'	37° 47'	37° 37'	Long. by Ob.
SS	11	10'	37° 47'	37° 37'	10'

from Bombay towards Colaba

H.	K.	K.	Courses.	Winds.	L.W.	Remarks.
1			S W	SE		
2						Commences with fine breeze and flock of small seagulls with the afterward strong sail set
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the jury, who were to examine the body of the unfortunate girl.

Not a shadow of suspicion rested upon him, or he would not have been appointed to such a duty. With a brow ^{fi} took his place

asking tide (3)

E		K.		Courses.		W.		L.W.		D.		Lat.		Dep.		Diff. Lat.		Dis.		Course	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
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122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143
144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165
166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187
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210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231
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452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473
474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495
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562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583
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Cloudy with strong
wind and a
little rain.

Diff. in Alt.	Diff. in Long.	Dep.	Lat. by D. R.	Lat. by Ob.	Var.	Diff. Long.	Long. in Ob.	Long. by Ob.
3° 18'	7° 52'	63°	31° 18°	31° 10'	3°	7° 52'	31° 10'	31° 03'
3° 18'	7° 52'	63°	31° 18°	31° 10'	3°	7° 52'	31° 10'	31° 03'

see the frome

towards

Course	Dist.	Diff. Lat.	Dep.	Lat. by	Varia.	Diff. Lat.	Dep.	Lat. by
13° E	130	"	03	8° 9' 00" S	13° E	130	"	8° 9' 00" S

R. K.	H. K.	Chas. ^{W^b} ses.	W. M. S.	I. M.	Remarks.	Heads of Chas.
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Yours	Dist	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Loc.
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Course		from		to		towards	
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Course	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Lat. by Ob.
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H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.	Friday June 17 1840.
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Course	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
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Manufactured and sold by JOHN P. JEWETT - No. 13 Essex Street.

Course		from		B		towards		Course		from		B		towards		Course			
A	D.K.	Courses.	Winds.	E.W.	Remarks	A	D.K.	Courses.	Winds.	E.W.	Remarks	A	D.K.	Courses.	Winds.	E.W.	Remarks		
1		W	W			1		W	W			1		W	W				
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Courses	Dist.	Diff. Lat.	Dep.	Lat. by D.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.	Courses	Dist.	Diff. Lat.	Dep.	Lat. by D.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
1	100	10	10	10	10	10	10	10	10	1	100	10	10	10	10	10	10	10	10
2	100	10	10	10	10	10	10	10	10	2	100	10	10	10	10	10	10	10	10
3	100	10	10	10	10	10	10	10	10	3	100	10	10	10	10	10	10	10	10
4	100	10	10	10	10	10	10	10	10	4	100	10	10	10	10	10	10	10	10
5	100	10	10	10	10	10	10	10	10	5	100	10	10	10	10	10	10	10	10
6	100	10	10	10	10	10	10	10	10	6	100	10	10	10	10	10	10	10	10
7	100	10	10	10	10	10	10	10	10	7	100	10	10	10	10	10	10	10	10
8	100	10	10	10	10	10	10	10	10	8	100	10	10	10	10	10	10	10	10
9	100	10	10	10	10	10	10	10	10	9	100	10	10	10	10	10	10	10	10
10	100	10	10	10	10	10	10	10	10	10	100	10	10	10	10	10	10	10	10
11	100	10	10	10	10	10	10	10	10	11	100	10	10	10	10	10	10	10	10
12	100	10	10	10	10	10	10	10	10	12	100	10	10	10	10	10	10	10	10

from

towards

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Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. P.	Lat. by Ob.	Vari.
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Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. P.	Lat. by Ob.	Vari.
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C. m.	Dist.	Diff. Lat.	Dep.	Lat. by D. P.	Lat. by Ob.	Vari.

July 1873

Carabistro - Steyer towards Salem

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
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Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long by Ob.
Phi. 1	15	35	100	18° 48'	18° 51'	3'	18'	18° 53'	18° 53'

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Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long by Ob.
Phi. 1	15	35	100	18° 48'	18° 51'	3'	18'	18° 53'	18° 53'

1903-1904

towards

H.	K.	Course.	Winds	Remarks.	See Log
					Sept. 1850
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					Long. by Ob.

Course from New York towards

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Course.	Dist.	Diff. Lat.	Dep.	Lat. by L. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H.	Course.	Winds.	L.W.	Remarks.	Sec'd by Ob.
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Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S. 25° W	79	1° 12'	.33	24° 53' 15"	24° 48' 30"	3°	3° W	36° 10'	

From

towards

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Course.	Dist.	Diff. Lat.	B	Lat. by S. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
529°	12.98	2.01	6	13.27	13.22	2 28	15	12.84	33° 1

H.	K.	H.K.	Courses.	Wind.	L.W.	Remarks.
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Course.	Dist.	Diff. Lat.	B	Lat. by S. R.	Lat. by Ob.	Varia.	Dist.	Long. in	Long. by Ob.
529°	12.98	2.01	6	13.27	13.22	2 28	15	12.84	33° 1

Course from the town of

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Course.	Dist.	Diff. Lat.	Lep.	Lat. by T.
22	23	1.67	14 10	36.29

H.	K.	H.K.	Courses.	W.	L.W.	Remarks.
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Course.	Dist.	Lat.	Lep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. by Ob.
22	23	1.67	14 10	36.29	36.29	0	0	0

J. K. H. K.

136

Dove
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Dep.	Lat. by D. R.	Lat. by Ob.	Var.	Long. by D. R.	Long. by Ob.
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H. H. H.

1831 th the jud
and this r. a. on high
av. be strangely sent!
sow them day by day
ink to soar away!

2011.1 1st Cor. 15, 50.
they cling—

Rememb'ring not, a corn of wheat must die John 12, 24.
Ere to bring forth much fruit it upward spring.
Death takes the body, him they call men's foe!
E'en though the sou. through him is made to grow

While of the hour Christ

For men, nor angels, n

They pro

And thos.

They

For except the print of the nails the

And thrust their hands w

(The sad, sad tokens of the cru

They will not own their Christ in

Blessed are they who have his

Who waited not those tokens, but

3—A. S. and
see a. a. a. a.
er He
light
a radiant brow
I believe me, hearts e
a careless they app
smiling eyes have of
hide the gathering tear
of the purity of sighs,
doubt the strength of tears,
in these are shed before men;
lose rung into men's ears;
doubt I not the depth, the truth
Of aching hearts which wear
smile upon the pallid face,
That none may see a tear.

From

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201						
202						
203						
204						
205						
206						
207						

Courses, from				Winds, towards			
H.	K.	H. R.	Courses, Winds	W.	Remarks	Lat. by D. R.	Lat. by Obs.
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
Courses	Dist.	W. R.	Lat. by D. R.	Lat. by Obs.			

from Mill towards

H.	K.	H.K.	Courses. Min. a.	W.	Remarks.
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					

Course.	Diff. Lat.	Lat. by D.	Lat. by Ob.	Long. in	Long by Ob.

H.	K.	H.K.	Courses. Min. a.	W.	Remarks.
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					

Course.	Diff. Lat.	Lat. by D.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long by Ob.

		FROM	towards					
		Lat. by Obs.						
1	HK (Courses), 1's	Lat. 38° 50' S.						
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
Course.	Dist.	Dist.	Lat.	Lat. by Obs.				
B.	Course.	W.	W.	Lat. 38° 50' S.				
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
Course.	Lat. by Obs.	Lat. by Obs.	Lat. by Obs.	Lat. by Obs.	Lat. by Obs.	Lat. by Obs.	Lat. by Obs.	Lat. by Obs.
B.	Lat. 38° 50' S.	Lat. 38° 50' S.	Lat. 38° 50' S.	Lat. 38° 50' S.	Lat. 38° 50' S.	Lat. 38° 50' S.	Lat. 38° 50' S.	Lat. 38° 50' S.

Manufactured and sold by JOHN COOPER, 10, Newgate-street, London.

and

true

towards

H.	K.	Courses.	Winds.	L.W.	Remarks.
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1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Obs.
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100	83	116	27	29.11	29.11
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H.	K.	H.K.	Courses.	Winds.	L.W.
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1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Obs.
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100	83	116	27	29.11	29.11
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H.	K.	Courses.	Winds.	L.W.
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1				
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H.	K.	Courses.	Winds.	L.W.
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1				
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H.	K.	Courses.	Winds.	L.W.
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1				
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H.	K.	Courses.	Winds.	L.W.
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1				
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H.	K.	Courses.	Winds.	L.W.
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1				
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H.	K.	Courses.	Winds.	L.W.
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1				
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H.	K.	Courses.	Winds.	L.W.
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1				
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H.	K.	Courses.	Winds.	L.W.
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1				
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H.	K.	Courses.	Winds.	L.W.
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1				
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H.	K.	Courses.	Winds.	L.W.
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1				
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H.	K.	Courses.	Winds.	L.W.
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1				
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H.	K.	Courses.	Winds.	L.W.
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1				
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H.	K.	Courses.	Winds.	L.W.
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1				
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H.	K.	Courses.	Winds.	L.W.
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1				
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H.	K.	Courses.	Winds.	L.W.
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1				
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H.	K.	Courses.	Winds.	L.W.
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1				
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H.	K.	Courses.	Winds.	L.W.
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1				
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H.	K.	Courses.	Winds.	L.W.
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1				
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H.	K.	Courses.	Winds.	L.W.
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1				
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H.	K.	Courses.	Winds.	L.W.
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1				
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H.	K.	Courses.	Winds.	L.W.
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1				
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H.	K.	Courses.	Winds.	L.W.
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1				
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H.	K.	Courses.	Winds.	L.W.
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1				
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H.	K.	Courses.	Winds.	L.W.
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1				
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H.	K.	Courses.	Winds.	L.W.
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1				
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H.	K.	Courses.	Winds.	L.W.
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1				
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H.	K.	Courses.	Winds.	L.W.
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1				
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H.	K.	Courses.	Winds.	L.W.
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1				
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H.	K.	Courses.	Winds.	L.W.
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1				
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H.	K.	Courses.	Winds.	L.W.
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1				
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H.	K.	Courses.	Winds.	L.W.
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1				
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H.	K.	Courses.	Winds.	L.W.
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1				
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H.	K.	Courses.	Winds.	L.W.
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1				
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H.	K.	Courses.	Winds.	L.W.
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1				
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H.	K.	Courses.	Winds.	L.W.
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1				
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H.	K.	Courses.	Winds.	L.W.
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1				
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H.	K.	Courses.	Winds.	L.W.
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1				
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H.	K.	Courses.	Winds.	L.W.
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1				
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H.	K.	Courses.	Winds.	L.W.
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1				
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H.	K.	Courses.	Winds.	L.W.
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1				
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fronde

1880. 10. 15. 10. 15.

11. W. H. Nurses, Funds, and Services.

Dr. R. M. C. Jones, *Handbook of Entomology*.

Chancery of the Shire

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Difl. Long.	Long. in	Long. by Ob.
110°	100	12°	48	36° 11'	36° 17'		10°	13	

Navigation from New York towards Salem

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1	3					
2	3					
3	4					
4	5					
5	6					
6	6					
7	6					
8	6					
9	6					
10	6					
11	6					
12	6					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long by Ob.
236° W	87	1° 20'	51'	39° 45'	39° 50'	" 5	59°	11.57	

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	6					
2	6					
3	6					
4	6					
5	6					
6	6					
7	6					
8	5					
9	5					
10	5					
11	5					
12	5					
1	5					
2	5					
3	4					
4	4					
5	3					
6	3					
7	3					
8	2					
9	2					
10	1					
11	1					
12	1					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long by Ob.
233	14	2° 40'	78'	28° 32'	28° 26'	" 6	1° 24'	10.33	

Manufactured and sold by JOHN P. JEWETT—No. 193 Essex Street, Salem.

from N. E. towards S. E.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
----	----	------	----------	--------	------	----------

1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
370°	104	1° 20'	15	42° 10'	41° 55'	5	56	72° 10'	72° 08'

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
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1						
2						
3						
4						
5						
6						
7						
8						
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10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
460°	105	1° 16'	105	32° 30'	33°	7	128	72° 14' 30"	72° 14' 30"

Manufactured and sold by JOHN P. JEWETT - No. 193 Essex Street, Boston.

Leaving from N. S. towards S. E.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long by Ob.
51° 15'	150	1.35	1.32	23° 35'	23° 37'		2° 11'	5° 55'	5° 62'

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long by Ob.
51° 15'	144	1.32	1.11	23° 35'	22° 7'		2° 01'	46° 4'	

Manufactured and sold by JOHN P. JEWETT—No. 193 Essex Street, Salem.

comes from May towards July

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.	✓
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
				11/137				12/18	

H.	K.	Course.	Winds	L.W.	Remarks.
1	6	SE	W		
2	6				Common with the strong
3	5	1	SW		present wind
4	5				
5	5				
6	5	1			The wind is strong
7	5				
8	5				
9	6				
10	6				
11	7				
12	7				
1	7				
2	7				
3	7				
4	7				
5	7				
6	7				
7	7				
8	7				
9	7				
10	5	1			
11	5	5			
12	6	1			

Course.	Dist.	Dif. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Dif. Long.	Long. in	Long. by Ob.
51° 13'	1° 5'	10 12'	11	39° 17'	39° 17'	1 12'	1 12'	1 12'	1 12'

from

towards

II.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	6					
2	5					
3	4					
4	3					
5	2					
6	1					
7						
8						
9						
10						
11						
12						
I	1					
2	2					
3	3					
4	4					
5	5					
6	6					
7	7					
8	8					
9	9					
10	10					
11	11					
12	12					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long by Ob.
H. 51° W	151	1° 2'	in	18° 50'	18° 40'	10'	2° 04'	1° 56'	1° 00'
H. 1									
H. 2									
H. 3									
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
Course.	1								
Course.	2								
Course.	3								
Course.	4								
Course.	5								
Course.	6								
Course.	7								
Course.	8								
Course.	9								
Course.	10								
Course.	11								
Course.	12								

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long by Ob.
H. 51° W	103	1° 2'	in	13° 00'	11° 03'	17° 50'	2° 17'	3° 13'	3° 10'
H. 1									
H. 2									
H. 3									
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									

from towards

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
38° 14' N.	142	29	8	38° 14' 38.8	38° 14' 30.		15° 32' 3.8	3.8	15° 32' 3.8

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
38° 13'	132	29	8	38° 13' 38.8	38° 13' 30.		15° 32' 3.8	3.8	15° 32' 3.8

Course from

from

towards

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.	Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long by Ob.
1							108	3	5	10	108 1/2	108 1/2	0	0	108	108 1/2
2							108	3	5	10	108 1/2	108 1/2	0	0	108	108 1/2

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.	Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long by Ob.
1	3	108	108	108	108	108	108	1	108	108	108 1/2	108 1/2	0	0	108	108 1/2
2	5	108	108	108	108	108	108	2	108	108	108 1/2	108 1/2	0	0	108	108 1/2
3	7	108	108	108	108	108	108	3	108	108	108 1/2	108 1/2	0	0	108	108 1/2
4	9	108	108	108	108	108	108	4	108	108	108 1/2	108 1/2	0	0	108	108 1/2
5	11	108	108	108	108	108	108	5	108	108	108 1/2	108 1/2	0	0	108	108 1/2
6	13	108	108	108	108	108	108	6	108	108	108 1/2	108 1/2	0	0	108	108 1/2
7	15	108	108	108	108	108	108	7	108	108	108 1/2	108 1/2	0	0	108	108 1/2
8	17	108	108	108	108	108	108	8	108	108	108 1/2	108 1/2	0	0	108	108 1/2
9	19	108	108	108	108	108	108	9	108	108	108 1/2	108 1/2	0	0	108	108 1/2
10	21	108	108	108	108	108	108	10	108	108	108 1/2	108 1/2	0	0	108	108 1/2
11	23	108	108	108	108	108	108	11	108	108	108 1/2	108 1/2	0	0	108	108 1/2
12	25	108	108	108	108	108	108	12	108	108	108 1/2	108 1/2	0	0	108	108 1/2
1	1	108	108	108	108	108	108	1	108	108	108 1/2	108 1/2	0	0	108	108 1/2
2	3	108	108	108	108	108	108	2	108	108	108 1/2	108 1/2	0	0	108	108 1/2
3	5	108	108	108	108	108	108	3	108	108	108 1/2	108 1/2	0	0	108	108 1/2
4	7	108	108	108	108	108	108	4	108	108	108 1/2	108 1/2	0	0	108	108 1/2
5	9	108	108	108	108	108	108	5	108	108	108 1/2	108 1/2	0	0	108	108 1/2
6	11	108	108	108	108	108	108	6	108	108	108 1/2	108 1/2	0	0	108	108 1/2
7	13	108	108	108	108	108	108	7	108	108	108 1/2	108 1/2	0	0	108	108 1/2
8	15	108	108	108	108	108	108	8	108	108	108 1/2	108 1/2	0	0	108	108 1/2
9	17	108	108	108	108	108	108	9	108	108	108 1/2	108 1/2	0	0	108	108 1/2
10	19	108	108	108	108	108	108	10	108	108	108 1/2	108 1/2	0	0	108	108 1/2
11	21	108	108	108	108	108	108	11	108	108	108 1/2	108 1/2	0	0	108	108 1/2
12	23	108	108	108	108	108	108	12	108	108	108 1/2	108 1/2	0	0	108	108 1/2

from *towards*

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
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Remarks.

from						towards				
H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.				
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long by Ob.	
1	100	100	100	100	100	100	100	100	100	
H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.				
1	6									
2	6									
3	6									
4	6									
5	6									
6	6									
7	6									
8	6									
9	6									
10	6									
11	6									
12	6									
1	t									
2	t									
3	t									
4	t									
5	t									
6	t									
7	t									
8	t									
9	t									
10	t									
11	t									
12	t									
Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long by Ob.	
1	80	100	100	100	100	100	100	100	100	

Caravel from Mayinga towards Salem (17)

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	8					From 3 rd wind and pleasant weather this 24 hours
2	8					
3	5					
4	5					
5	5					
6	5					
7	2					
8	5					
9	6					
10	6					
11	6					
12	6					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 62° W 130°	1.03	115	2.25	2.25	1.55	1.55	29.36	29.34	W

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	5					Wednesday Oct 20 th
2	5					
3	6					
4	5					
5	5					
6	5					
7	5					
8	5					
9	5					
10	3					
11	5					
12	5					
1	5					
2	5					
3	5					
4	5					
5	5					
6	5					
7	5					
8	5					
9	5					
10	5					
11	5					
12	5					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 62° W	125	59	110	3.37	3.37	1.55	31.29	31.31	W

Course 10 going towards Salem

H.	K.	H.K.	Cou	s.	L.W.	Remarks.
1	5					
2	5					
3	5					
4	5					
5	5					
6	5					
7	5					
8	5					
9	5					
10	5					
11	5					
12	5					
1	1					
2	2					
3	3					
4	4					
5	5					
6	4					
7	4					
8	4					
9	4					
10	4					
11	4					
12	4					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long by Ob.
103	125	59	110	2 ^o 38	2 ^o 41		1 ^o 51	33 ^o 19' 33 ^o 22'	

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.
1	4					
2	4					
3	4					
4	4					
5	4					
6	4					
7	4					
8	4					
9	4					
10	4					
11	5					
12	5					
1	5					
2	5					
3	5					
4	5					
5	5					
6	5					
7	5					
8	5					
9	5					
10	5					
11	5					
12	5					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long by Ob.
102	124	59	103	1 ^o 32	1 ^o 43		1 ^o 24	35 ^o 00' 35 ^o 15'	

Cavalla from Mazinga towaras

(18)

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks.	Clouds day over
1	5						
2	0						
3	5						
4	0						

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Lucy A. Condeell
Dec 17, 1871

Sunday

3 Hh Cav

10 AM

